

Abstract of the disclosure:

A raffinose synthase gene comprising a nucleotide sequence hybridizable with a nucleotide sequence selected from the group consisting of: (a) a nucleotide sequence encoding the amino acid sequence represented by SEQ ID NO: 1, (b) the nucleotide sequence represented by SEQ ID NO: 2, (c) a nucleotide sequence encoding the amino acid sequence of represented by SEQ ID NO: 3, (d) the nucleotide sequence represented by SEQ ID NO: 4 or by the 236th to 2584th nucleotides in the nucleotide sequence represented by SEQ ID NO: 4, (e) a nucleotide sequence encoding the amino acid sequence represented by SEQ ID NO: 5, (f) the nucleotide sequence represented by SEQ ID NO: 6 or by the 134th to 2467th nucleotides in the nucleotide sequence represented by SEQ ID NO: 6, (g) a nucleotide sequence encoding the amino acid sequence represented by SEQ ID NO: 7, and (h) the nucleotide sequence represented by SEQ ID NO: 8 or by the 1st to 1719th nucleotides in the nucleotide sequence represented by SEQ ID NO: 8, under stringent conditions, and encoding a protein being capable of binding D-galactosyl group through α (1 \rightarrow 6) bond to the hydroxyl group attached to the carbon atom at 6-position of the D-glucose residue in a sucrose molecule to form raffinose is disclosed.